

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : Not known (divisional of 09/114,586) Confirmation No. not known  
Applicant : Eldridge  
Filed : December 12, 2003  
TC/A.U. : Not known  
Examiner : Not known  
  
Docket No. : P56D1-US

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Listed on an attached Form PTO/SB/08A is information known to applicant(s).

**A COPY OF EACH LISTED DOCUMENT IS NOT PROVIDED** because each listed document was cited in the parent application US Serial No. 09/114,586. See 37 CFR § 1.98(d). The Examiner is requested to initial and return the attached Form PTO/SB/08A in accordance with MPEP §609. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

☒ This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

- ☒ (1) It is being filed within 3 months of the application filing date (other than the filing date of a continued prosecution application under §1.53(d))  
-- OR --
- ☐ (2) It is being filed within 3 months of entry of a national stage  
-- OR --
- ☒ (3) It is being filed before the mail date of the first Office Action on the merits  
-- OR --
- ☐ (4) It is being filed before the mail date of the first Office Action after the filing of a request for continued examination under §1.114.

☐ 37 C.F.R. §1.97(c). If this statement is being filed after the latest of: (1) three months beyond the filing date of a national application; (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing date of a first Office action on the merits, or (4) the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, but before the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, then:

☐ a statement as specified in §1.97(e) is provided below; **or**

☐ a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

☐ 37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, but before payment of the issue fee, then:

A. a statement as specified in §1.97(e) is provided below; **and**

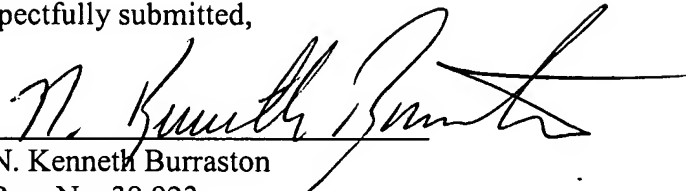
B. a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

*Fee:*

- ☒ No fee is due.  
☐ A check in the amount of \$\_\_\_\_\_ for the above-identified fee(s) is enclosed.

Respectfully submitted,

Date: December 12, 2003

By   
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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<i>Complete If Known</i>	
				Application Number	Not known (divisional of 09/114,586)
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				First Named Inventor	Eldridge
				Group Art Unit	Not known
				Examiner Name	Not known
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code <sup>2</sup>			
	1.	2002/0019152	A1	Eldridge et al.	2/14/2002	
	2.	0923327		Burton	6/1909	
	3.	3193793		Plunkett et al.	7/1965	
	4.	3290636		Overtveld	12/1966	
	5.	3794953		Malin	2/1974	
	6.	3842189		Southgate	10/1974	
	7.	3936930		Stern	2/1976	
	8.	4239312		Myer et al.	12/1984	
	9.	4352061		Matrone	9/1982	
	10.	4403272		Larson	9/1983	
	11.	4428633		Lundergan	1/1984	
	12.	4553192		Babuka et al.	11/1985	
	13.	4615573		White et al.	10/1986	
	14.	4813129		Karnezos	3/1989	
	15.	4871316		Herrell	10/1989	
	16.	5172050		Swapp	12/15/1992	
	17.	5252916		Swart	10/1993	
	18.	5309324		Herandez	5/3/1994	
	19.	5373231		Boll et al.	12/13/1994	
	20.	5476211		Khandros	12/19/1995	
	21.	5495667		Farnworth	3/1996	
	22.	5498902		Hara	3/1996	
	23.	5555422		Nakano	9/10/1996	
	24.	5574384		Oi	11/1996	
	25.	5772451		Dozier, II et al.	6/30/1998	
	26.	5773986		Thompson et al.	6/1998	
	27.	5869961		Spinner	11/1996	

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code <sup>2</sup>			
	28.	5917707		Khandros et al.	6/29/1999	
	29.	5974662		Eldridge et al.	11/2/1999	
	30.	6043563		Eldridge et al.	3/28/2000	
	31.	6049976		Khandros	4/14/2000	
	32.	6330164		Khandros et al.	12/11/2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant	Publication Date	Relevant Portions	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
	33.	EP	295914	A2	Karnozos	12/21/1988		
	34.	FR	2680284	A1		2/12/1993		
	35.	JP	07-94560		Tokyo Electron	4/7/1995		
	36.	JP	59-87842			5/1984		
	37.	JP	05-64784		Tokyo Seimitsu	2/5/1992		
	38.	JP	64-47090			2/1989		
	39.	JP	09-21828		Nihon	1/21/1997		
	40.	JP	09/45740		Shin	2/14/1997		
	41.	WO	97/43654	A1	Khandros et al.	11/20/1997		
	42.	WO	96/38858	A2		12/5/1996		
	43.	WO	97/16866	A2		5/9/1997		
	44.	WO	96/16440	A1		5/30/1996		
	45.	WO	96/15459	A1		5/23/1996		
	46.	WO	98/01906		Khandros et al.	1/15/1998		

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Sheet	3	of	3	Attorney Docket No.	P56D1-US

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	47.	CLARK et al., "Joining Integrated Circuit Chips to Microcast Fingers," IBM Technical Disclosure Bulletin, vol. 12 no. 11, pp. 1981-82 (April 1970)	

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